

03050204-030
(South Fork Edisto River)

General Description

Watershed 03050204-030 is located in Aiken, Barnwell, and Orangeburg Counties and consists primarily of the *South Fork Edisto River* and its tributaries from Shaw Creek to Dean Swamp Creek. The watershed occupies 77,389 acres of the Sandhills and Upper Coastal Plain regions of South Carolina. The predominant soil types consist of an association of the Fuquay-Lakeland-Troup-Varina-Dothan series. The erodibility of the soil (K) averages 0.12; the slope of the terrain averages 5%, with a range of 0-15%. Land use/land cover in the watershed includes: 0.48% urban land, 20.55% agricultural land, 9.90% scrub/shrub land, 0.02% barren land, 60.84% forested land, 8.02% forested wetland (swamp), 0.03% nonforested wetland (marsh), and 0.16% water.

As a reach of the South Fork Edisto River, this watershed accepts the drainage from all streams entering the river upstream. This section of the South Fork Edisto River also accepts drainage from Burcalo Creek, Hunter Branch (Tylers Pond), Pond Branch (Buzzard Branch, Long Branch, Spring Branch), and Yarrow Branch. There are several small recreational ponds in the watershed and a total of 68.8 stream miles, all classified FW. Another natural resource is Aiken State Park, located near the top of the watershed.

Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
E-595	BIO	FW	YARROW BRANCH AT SR 161
E-011	W	FW	SOUTH FORK EDISTO RIVER AT SC 39

South Fork Edisto River (E-011) - This stream was Class B until April, 1992. Aquatic life uses are fully supported. Recreational uses are partially supported due to fecal coliform bacteria excursions.

Yarrow Branch (E-595) - This stream was Class B until April, 1992. Aquatic life uses are fully supported based on macroinvertebrate community data.

Aiken State Park Cabin Lake - Cabin Lake was treated from 1992-1995 by the Water Resources Division of the SCDNR with aquatic herbicides in an attempt to control the aquatic plants that prevent access to the lake for fishing and boating. In addition, grass carp, a biological control agent, were introduced in 1992 at the stocking rate of 20 fish/vegetated acre for a total of 200 fish.

Aiken State Park Swimming Lake -Swimming Lake was treated with herbicides from 1992-1995 by the SCDNR to provide access for swimming and boating. Grass carp were introduced to the swimming lake in 1993 at the stocking rate of 10 fish/vegetated acre for a total of 30 fish.

Aiken State Park Childs Fishing Lake - Childs Fishing Lake was treated with herbicides in 1992, 1993, and 1994 by the SCDNR to provide access for bank fishing. Grass carp were also introduced to this lake in 1992.

A fish consumption advisory has been issued by the Department for mercury and includes the streams within this watershed (see advisory p.31).

Permitted Activities

Point Source Contributions

There are currently no point source dischargers in this watershed.

Camp Facilities

***FACILITY NAME/TYPE
RECEIVING STREAM***

***PERMIT #
STATUS***

**AIKEN STATE PARK/RESIDENT
SOUTH FORK EDISTO RIVER**

**02-305-1804
ACTIVE**

Growth Potential

There is a low potential for growth projected for this watershed. A rail line and U.S. Highway 78 run along the western edge of the watershed through the Town of Windsor to the City of Aiken, and provide potential for industrial growth.